Attorney Docket No. 2003-0484 / 24061.523 Customer No. 42717

LISTING OF CLAIMS:

 (Currently Amended) A method to singulate a circuit die from an integrated circuit wafer, said method comprising:

providing an integrated circuit wafer containing a circuit die;

cutting through said integrated circuit wafer by performing a single, continuous cut around more than one side of the perimeter of said circuit die at a time to thereby singulate said circuit die.

- (Original) The method according to Claim 1 wherein said singulated circuit die comprises a non-rectangular perimeter.
- 3. (Original) The method according to Claim 1 wherein said singulated circuit die comprises a perimeter having rounded corners.
- 4. (Original) The method according to Claim 1 wherein said singulated circuit die comprises a perimeter having more than four sides.
- (Original) The method according to Claim 1 wherein said singulated circuit die comprises a perimeter having three sides.
- (Original) The method according to Claim 1 wherein said singulated circuit die comprises an elliptical perimeter.
- 7. (Original) The method according to Claim 1 wherein said singulated circuit die comprises a circular perimeter.

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- 8. (Original) The method according to Claim 1 wherein said step of cutting through is performed using a laser.
- 9. (Original) The method according to Claim 1 wherein said step of cutting through is performed using an electron beam or water jet.
- 10. (Original) The method according to Claim 1 further comprising: fixably mounting said singulated circuit die onto a package; and coupling signal pins of said package to signals in said electronic circuit.
- 11. (Currently Amended) A method to singulate a circuit die from an integrated circuit wafer, said method comprising:

providing an integrated circuit wafer by performing a single, continuous cut around <u>more</u> than one side of the perimeter of said circuit die at a time to thereby singulate said circuit die and wherein said singulated circuit die comprises a non-rectangular perimeter;

fixably mounting said singulated circuit die to a package; and coupling signal pins of said package to signals in said electronic circuit.

- 12. (Original) The method according to Claim 11 wherein said non-rectangular perimeter has rounded corners.
- 13. (Original) The method according to Claim 11 wherein said non-rectangular perimeter more than four sides.
- 14. (Original) The method according to Claim 11 wherein said non-rectangular perimeter has three sides.

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- (Original) The method according to Claim 11 wherein said non-rectangular perimeter is an ellipse.
- (Original) The method according to Claim 11 wherein said non-rectangular perimeter is a circle.
- 17. (Original) The method according to Claim 11 wherein said step of cutting through is performed using a laser.
- 18. (Original) The method according to Claim 11 wherein said step of cutting through is performed using an electron beam or a water jet.
- 19. (Currently Amended) A method to singulate a circuit die from an integrated circuit wafer, said method comprising:

providing an integrated circuit wafer containing a circuit die;

providing a first cut partially cutting said integrated circuit wafer using a focused beam apparatus;

providing a second cut cutting through said integrated circuit wafer using a wafer saw blade apparatus;

wherein at least one of the first and second cut is performed by a single continuous cut around more than one side of the perimeter of said circuit die at a time.

20. (Currently Amended) An integrated circuit device comprising:

a semiconductor substrate containing an electronic circuit wherein said semiconductor substrate has a non-rectangular perimeter, wherein the semiconductor substrate is singulated by performing a single continuous cut around more than one side of the perimeter of the substrate at a time; and

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a package comprising:

- a surface to fixably mount said semiconductor substrate;
- a plurality of signal pins; and
- a means of coupling said signal pins to signals in said electronic circuit.
- 21. (Original) The device according to Claim 20 wherein said non-rectangular perimeter has rounded corners.
- 22. (Original) The device according to Claim 20 wherein said non-rectangular perimeter has more than four sides.
- 23. (Original) The device according to Claim 20 wherein said non-rectangular perimeter has three sides.
- 24. (Original) The device according to Claim 20 wherein said non-rectangular perimeter is an ellipse.
- 25. (Original) The device according to Claim 20 wherein said non-rectangular perimeter is an "L" shape, an "H" shape, a "T" shape, or a curved shape.

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